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Ant Algorithms Marco Dorigo 2003-08-02 This book constitutes the refereed proceedings of the Third International Workshop on Ant Algorithms, ANTS 2002, held in Brussels, Belgium in September 2002. The 17 revised full papers, 11 short papers, and extended poster abstracts presented were carefully reviewed and selected from 52 submissions. The papers deal with theoretical and foundational aspects and a variety of new variants of ant algorithms as well as with a broad variety of optimization applications in networking and operations research. All in all, this book presents the state of the art in research and development in the emerging field of ant algorithms

Protein-Protein Interactions Haian Fu 2004 Proteins continuously interact with each other to determine cell fate. Consequently, an examination of just when such protein-protein interactions occur and how they are controlled is essential for understanding the molecular mechanism of biological processes, elucidating the molecular basis of diseases, and identifying potential targets for therapeutic interventions. In Protein-Protein Interactions: Methods and Applications, leading experts describe in detail their highly successful biochemical, biophysical, genetic, and computational techniques for studying these interactions. Their readily reproducible methods demonstrate how to identify protein interaction partners, qualitatively or quantitatively measure protein-protein interactions, monitor protein-protein interactions as they occur in living cells, and determine interaction interfaces. The techniques described utilize a variety of cutting-edge technologies, including surface plasmon resonance (SRP), fluorescence resonance energy transfer (FRET), fluorescence polarization (FP), isothermal titration calorimetry (ITC), circular dichroism (CD), protein fragment complementation assays (PCA), various two-hybrid systems, and proteomics- and bioinformatics-based approaches, such as the Scansite program for computational analysis. Each time-tested protocol includes a background introduction outlining the principle behind the technique, lists of equipment and reagents, and tips on troubleshooting and avoiding known pitfalls. Authoritative and highly practical, Protein-Protein Interactions: Methods and Applications offers both beginning and experienced investigators a full range of the powerful tools needed for deciphering how proteins interact to form biological networks, as well as for unraveling protein-protein interactions in disease in the search for novel therapeutic targets.

International Assessment of Research and Development in Simulation-based Engineering and Science Sharon C. Glotzer 2011 Simulation-Based Engineering and Science (SBE&S) cuts across disciplines, showing tremendous promise in areas from storm prediction and climate modeling to understanding the brain and the behavior of numerous other complex systems. In this groundbreaking volume, nine distinguished leaders assess the latest research trends, as a result of 52 site visits in Europe and Asia and hundreds of hours of expert interviews, and discuss the implications of their findings for the US government. The authors conclude that while the US remains the quantitative leader in SBE&S research and development, it is very much in danger of losing that edge to Europe and Asia. Commissioned by the National Science Foundation, this multifaceted study will capture the attention of Fortune 500 companies and policymakers.

Advances in Computer Systems Architecture Thambipillai Srikanthan 2005-10-19 On behalf of the ProgramCommittee, we are pleased to present the proceedings of the 2005 Asia-Paci?c Computer Systems Architecture Conference (ACSAC 2005) held in the beautiful and dynamic country of Singapore. This conference was the tenth in its series, one of the leading forums for sharing the emerging research ?ndings in this ?eld. In consultation with the ACSAC Steering Committee, we selected a - member Program Committee. This Program Committee represented a broad spectrum of research expertise to ensure a good balance of research areas, - stitutions and experience while maintaining the high quality of this conference series. This year's committee was of the same size as last year but had 19 new faces. We received a total of 173 submissions which is 14% more than last year. Each paper was assigned to at least three and in some cases four ProgramC- mittee members for review. Wherever necessary, the committee members called upon the expertise of their colleagues to ensure the highest possible quality in the reviewing process. As a result, we received 415 reviews from the Program Committee members and their 105 co-reviewers whose names are acknowledged inthe proceedings.Theconferencecommitteeadopteda systematicblind review process to provide a fair assessment of all submissions. In the end, we accepted 65 papers on a broad range of topics giving an acceptance rate of 37.5%. We are grateful to all the Program Committee members and the co-reviewers for their e?orts in completing the reviews within a tight schedule.

Smart Objects and Technologies for Social Good Ombretta Gaggi 2017-07-14 This book constitutes the proceedings of the Second EAI international Conference on Smart Objects and Technologies for Social Good, GOODTECHS 2016, held in Venice, Italy, November 30 – December 1, 2016. The 38 revised full papers were carefully reviewed and selected from 73 submissions. The papers reflect the design, implementation, deployment, operation and evaluation of smart objects and technologies for social good. A social good can be understood as a service that benefits a large number of people in a most possible way. Some classic examples are healthcare, safety, environment, democracy, and human rights, or even art, entertainment, and communication.

Sams Teach Yourself Linux in 24 Hours Bill Ball 1999 A guide to the open-source operating system explains how to install Calder OpenLinux, configure Internet connections, work within the K Desktop environment, and maximize the potential of StarOffice

Introduction to High Performance Scientific Computing Victor Eijkhout 2014
Marine Design XIII, Volume 1 Pentti Kujala 2018-06-04 This is volume 1 of a 2-volume set. Marine Design XIII collects the contributions to the 13th International Marine Design Conference (IMDC 2018, Espoo, Finland, 10-14 June 2018). The aim of this IMDC series of conferences is to promote all aspects of marine design as an engineering discipline. The focus is on key design challenges and opportunities in the area of current maritime technologies and markets, with special emphasis on: • Challenges in merging ship design and marine applications of experience-based industrial design • Digitalisation as technological enabler for stronger link between efficient design, operations and maintenance in future • Emerging technologies and their impact on future designs • Cruise ship and icebreaker designs including fleet compositions

to meet new market demands To reflect on the conference focus, Marine Design XIII covers the following research topic series: •State of art ship design principles - education, design methodology, structural design, hydrodynamic design; •Cutting edge ship designs and operations - ship concept design, risk and safety, arctic design, autonomous ships; •Energy efficiency and propulsions - energy efficiency, hull form design, propulsion equipment design; •Wider marine designs and practices - navy ships, offshore and wind farms and production. Marine Design XIII contains 2 state-of-the-art reports on design methodologies and cruise ships design, and 4 keynote papers on new directions for vessel design practices and tools, digital maritime traffic, naval ship designs, and new tanker design for arctic. Marine Design XIII will be of interest to academics and professionals in maritime technologies and marine design.

Innovative Wastewater Treatment & Resource Recovery Technologies: Impacts on Energy, Economy and Environment Juan M. Lema 2017-06-15 This book introduces the 3R concept applied to wastewater treatment and resource recovery under a double perspective. Firstly, it deals with innovative technologies leading to: Reducing energy requirements, space and impacts; Reusing water and sludge of sufficient quality; and Recovering resources such as energy, nutrients, metals and chemicals, including biopolymers. Besides targeting effective C,N&P removal, other issues such as organic micropollutants, gases and odours emissions are considered. Most of the technologies analysed have been tested at pilot- or at full-scale. Tools and methods for their Economic, Environmental, Legal and Social impact assessment are described. The 3R concept is also applied to Innovative Processes design, considering different levels of innovation: Retrofitting, where novel units are included in more conventional processes; Re-Thinking, which implies a substantial flowsheet modification; and Re-Imagining, with completely new conceptions. Tools are presented for Modelling, Optimising and Selecting the most suitable plant layout for each particular scenario from a holistic technical, economic and environmental point of view.

Microelectronics Education Adrian M. Ionescu 2013-03-19 In this book key contributions on developments and challenges in research and education on microelectronics, microsystems and related areas are published. Topics of interest include, but are not limited to: emerging fields in design and technology, new concepts in teaching, multimedia in microelectronics, industrial roadmaps and microelectronic education, curricula, nanoelectronics teaching, long distance education. The book is intended for academic education level and targets professors, researchers and PhDs involved in microelectronics and/or more generally, in electrical engineering, microsystems and material sciences. The 2004 edition of European Workshop on Microelectronics Education (EWME) is particularly focused on the interface between microelectronics and bio-medical sciences.

Ocean and Coastwise 1916

Historical Dictionary of the Democratic Republic of the Congo Emizet Francois Kisangani 2009-10-01 The third edition of the Historical Dictionary of the Democratic Republic of the Congo looks back at the nearly 48 years of independence, over a century of colonial rule, and even earlier kingdoms and groups that shared the territory. This is done through a chronology, an introductory essay, a bibliography, and over 800 cross-referenced dictionary entries on civil wars, mutinies, notable people, places, events, and cultural practices.

Integrated Research in GRID Computing Sergei Gorlatch 2007-04-30 The aim of CoreGRID is to strengthen and advance scientific and technological excellence in the area of Grid and Peer-to-Peer technologies in order to overcome the current fragmentation and duplication of effort in this area. To achieve this objective, the workshop brought together a critical mass of well-established researchers from a number of institutions which have all constructed an ambitious joint program of activities. Priority in the workshop was given to work conducted in collaboration between partners from different research institutions and to promising research proposals that could foster such collaboration in the future.

Business Process Management Workshops Ernest Teniente 2018-01-16 This book constitutes revised papers from the eleven International Workshops held at the 15th International Conference on Business Process Management, BPM 2017, in Barcelona, Spain, in September 2017: BPAI 2017 – 1st International Workshop on Business Process Innovation with Artificial Intelligence; BPI 2017 – 13th International Workshop on Business Process Intelligence; BP-Meet-IoT 2017 – 1st International Workshop on Ubiquitous Business Processes Meeting Internet-of-Things; BPMS2 2017 – 10th Workshop on Social and Human Aspects of Business Process Management; - CBPM 2017 – 1st International Workshop on Cognitive Business Process Management; CCABPM 2017 – 1st International Workshop on Cross-cutting Aspects of Business Process Modeling; DeHMiMoP 2017 – 5th International Workshop on Declarative/Decision/Hybrid Mining & Modeling for Business Processes; QD-PA 2017 – 1st International Workshop on Quality Data for Process Analytics; REBPM 2017 – 3rd International Workshop on Interrelations between Requirements Engineering and Business Process Management; SPBP 2017 – 1st Workshop on Security and Privacy-enhanced Business Process Management; TAProViz-PQ-IWPE 2017 –Joint International BPM 2017 Workshops on Theory and Application of Visualizations and Human-centric Aspects in Processes (TAProViz'17), Process Querying (PQ'17) and Process Engineering (IWPE17). The 44 full and 11 short papers presented in this volume were carefully reviewed and selected from 99 submissions.

Simulation Modeling and Arena Manuel D. Rossetti 2015-06-22 Traditionally, there have been two primary types of simulation textbooks: those that emphasize the theoretical (and mostly statistical) aspects of simulation, and those that emphasize the simulation language or package.Simulation Modeling and Arena, Second Edition blends these two aspects of simulation textbooks together while adding and emphasizing the art of model building. This book features coverage of statistical analysis, which is integrated with the modeling to emphasize the importance of both topics. The Second Edition features new topical coverage, including static simulation and spreadsheet simulation; how simulation works and why it matters; and expanded use of Arena, specifically the use of strings in models, the Atribute module, the OnChange block, visual dashboards, and an introduction to 3-D animation concepts. In addition, a running example is presented throghout each chapter to prepare readers to perform a realistic case study based on the IIE/RA contest problem. The new edition also contains expanded topical coverage on: simulation clock within discrete event modeling simulation; statistical modeling concepts with the theoretical basis and equationsneeded to perform the analysis by hand; increased use of Arena Run Controller, modeling non-stationary arrival processes; and the Wait-Signal constructs.

Using Information Technology Brian K. Williams 1999

Development of Multimodal Interfaces: Active Listening and Synchrony Anna Esposito 2010-04-09 The themes of the papers presented in this book emphasize theoretical and practical issues for modelling human-machine interaction, ranging from the attempt in describing "the spacing and orientation in co-present interaction" to the effort for developing multimodal interfaces, collecting and analysing interaction data and emergent behaviour as well as analysing the use of nonverbal and pragmatic elements of exchanges, implementing discourse control and virtual agents and using active listening in computer speech processing.

Power System Restructuring and Deregulation Loi Lei Lai 2001-11-28 The restructuring and deregulation of the power utility industry is resulting in significant competitive, technological and regulatory changes. Independent power producers, power marketers and brokers have added a new and significant dimension to the task of maintaining a reliable electric system. Power System Restructuring and Deregulation provides comprehensive coverage of the technological advances, which have helped redesign the ways in which utility companies manage their business. With the aid of practical case studies, an international panel of contributors address the most up to date problems and their solutions in a cohesive manner, making this book indispensable to graduates and engineers in the power industry field. Presents state of the art techniques in power industry restructuring Includes applications of new technology in power

industry deregulation Includes practical examples of changes in load forecasting techniques and methods International contributors offer a global perspective detailing power utility restructuring and deregulation from various countries

The Secrets of Solomon's Temple Kevin L Gest 2007-04-01 Discover the hidden secret that lies at the heart of Freemasonry The Secrets of Solomon's Temple explores the background of Freemasonry and presents it in a new and fascinating context as it relates to our modern world. It also reveals the true identity of King Solomon and shows his Temple in a way it's never been explored before.

Springer Handbook of Automation Shimon Y. Nof 2009-07-16 This handbook incorporates new developments in automation. It also presents a widespread and well-structured conglomeration of new emerging application areas, such as medical systems and health, transportation, security and maintenance, service, construction and retail as well as production or logistics. The handbook is not only an ideal resource for automation experts but also for people new to this expanding field.

Calculated Bets Steven S. Skiena 2001-08-06 This is a book about a gambling system that works. It tells the story of how the author used computer simulations and mathematical modeling techniques to predict the outcome of jai-alai matches and bet on them successfully - increasing his initial stake by over 500% in one year! His results can work for anyone: at the end of the book he tells the best way to watch jai-alai, and how to bet on it. With humour and enthusiasm, Skiena details a life-long fascination with computer predictions and sporting events. Along the way, he discusses other gambling systems, both successful and unsuccessful, for such games as lotto, roulette, blackjack, and the stock market. Indeed, he shows how his jai-alai system functions just like a miniature stock trading system. Do you want to learn about program trading systems, the future of Internet gambling, and the real reason brokerage houses don't offer mutual funds that invest at racetracks and frontons? How mathematical models are used in political polling? The difference between correlation and causation? If you are curious about gambling and mathematics, odds are this book is for you!

Warehouse Management Gwynne Richards 2011-06-03 Warehouses are an integral link in the modern supply chain, ensuring that the correct product is delivered in the right quantity, in good condition, at the required time, and at minimal cost: in effect, the perfect order. The effective management of warehouses is vital in minimizing costs and ensuring the efficient operation of any supply chain. Warehouse Management is a complete guide to best practice in warehouse operations. Covering everything from the latest technological advances to current environmental issues, this book provides an indispensable companion to the modern warehouse. Supported by case studies, the text considers many aspects of warehouse management, including: cost reduction productivity people management warehouse operations With helpful tools, hints and up-to-date information, Warehouse Management provides an invaluable resource for anyone looking to reduce costs and boost productivity.

WEB-BASED INFORMATION TECHNOLOGIES AND DISTRIBUTED SYSTEMS Quan Z Sheng 2010-06-01 The Fourth International Conference on Signal-Image Technology & Internet-Based S- tems (SITIS 2008) has been successfully held during the period 30th November to 3rd of December of the year 2008 in Bali, Indonesia. The Track Web-Based Information Te- nologies & Distributed Systems (WITDS) is one of the four tracks of the conference. The track is devoted to emerging and novel concepts, architectures and methodologies for c- ating an interconnected world in which information can be exchanged easily, tasks can be processed collaboratively, and communities of users with similar interests can be formed while addressing security threats that are present more than ever before. The track has attracted a large number of submissions; only ?fteen papers have been accepted with - ceptance rate 27%. After the successful presentations of the papers during the conference, the track chairs have agreed with Atlantis publisher to publish the extended versions of the papers in a book. Each paper has been extended with a minimum of 30% new materials from its original conference manuscript. This book contains these

extendedversions as chaptersafter a second roundof reviews and improvement. The book is an excellent resource of information to researchers and it is based on four themes; the ?rst theme is on advances in ad-hoc and routing protocols, the second theme focuses on the latest techniques and methods on intelligent systems, the third theme is a latest trend in Security and Policies, and the last theme is applications of algorithms design methodologies on web based systems.

Supply Chain Management on Demand Chae An 2006-01-16 Written by supply chain researchers, consultants, and practitioners, this book explains the newly emerging techniques and practices for highly efficient supply chain management, made possible by the rapid progress in information and communication technologies.

Fundamentals of Tool Design, Fifth Edition Jeff Lantrip 2003-12-08 The creation of a Fifth Edition is proof of the continuing vitality of the book's contents, including: tool design and materials; jigs and fixtures; workholding principles; die manipulation; inspection, gaging, and tolerances; computer hardware and software and their applications; joining processes, and pressworking tool design. To stay abreast of the newer developments in design and manufacturing, every effort has been made to include those technologies that are currently finding applications in tool engineering. For example, sections on rapid prototyping, hydroforming, and simulation have been added or enhanced. The basic principles and methods discussed in Fundamentals of Tool Design can be used by both students and professionals for designing efficient tools.

The Practice of Art and AI Andreas J. Hirsch 2022-01-04 Multidisciplinary explorations of AI and its implications for art In this multidisciplinary volume, European ARTificial Intelligence Lab, in partnership with Ars Electronica, considers the incredibly rapid development of Artificial Intelligence in the context of the cyber-arts. Bringing together 13 cultural and six scientific institutions from across Europe, this publication explores the interdisciplinary exchange between art and science and summarizes the accomplishments of the AI Lab since its opening. This guide to the events and exhibitions for this project includes more than 500 reproductions, profiles on featured exhibitors and essays. In keeping with the project's focus on the interplay between art and technology, the book includes QR codes which link the reader to video lectures and other supplementary materials. Artists and researchers include: Eva Smrekar, Eduardo Reck Miranda, Ian Gouldstone, Aarati Akkapeddi, Cecilie Waagner Falkenstrøm, Tega Brain, Sam Lavigne, Hannah Jayanti, Sarah Petkus, Mark J. Koch, Mimi Onuoha, Caroline Sinders, LaJuné McMillian, Victoria Vesna and many more.

CompTIA Network+ N10-007 Cert Guide Anthony J. Sequeira 2018-02-12 This is the eBook version of the print title. Note that only the Amazon Kindle version or the Premium Edition eBook and Practice Test available on the Pearson IT Certification web site come with the unique access code that allows you to use the practice test software that accompanies this book. All other eBook versions do not provide access to the practice test software that accompanies the print book. Access to the companion web site is available through product registration at Pearson IT Certification; or see instructions in back pages of your eBook. Learn, prepare, and practice for CompTIA Network+ N10-007 exam success with this CompTIA approved Cert Guide from Pearson IT Certification, a leader in IT Certification learning and a CompTIA Authorized Platinum Partner. Master CompTIA Network+ N10-007 exam topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks Practice with realistic exam questions Learn from more than 60 minutes of video mentoring CompTIA Network+ N10-007 Cert Guide is a best-of-breed exam study guide. Best-selling author and expert instructor Anthony Sequeira shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review

questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. The companion website contains a host of tools to help you prepare for the exam, including: The powerful Pearson Test Prep practice test software, complete with hundreds of exam-realistic questions. The assessment engine offers you a wealth of customization options and reporting features, laying out a complete assessment of your knowledge to help you focus your study where it is needed most. More than 60 minutes of personal video mentoring 40 performance-based exercises to help you prepare for the performance-based questions on the exam The CompTIA Network+ N10-007 Hands-on Lab Simulator Lite software, complete with meaningful exercises that help you hone your hands-on skills An interactive Exam Essentials appendix that quickly recaps all major chapter topics for easy reference A key terms glossary flash card application Memory table review exercises and answers A study planner to help you organize and optimize your study time A 10% exam discount voucher (a $27 value!) Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this CompTIA approved study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The CompTIA approved study guide helps you master all the topics on the Network+ exam, including: Computer networks and the OSI model Network components Ethernet IP addressing Routing traffic Wide Area Networks (WANs) Wireless Technologies Network performance Command-line utilities Network management Network policies and best practices Network security Troubleshooting Pearson Test Prep system requirements: Online: Browsers: Chrome version 40 and above; Firefox version 35 and above; Safari version 7; Internet Explorer 10, 11; Microsoft Edge; Opera. Devices: Desktop and laptop computers, tablets running on Android and iOS, smartphones with a minimum screen size of 4.7". Internet access required. Offline: Windows 10, Windows 8.1, Windows 7; Microsoft .NET Framework 4.5 Client; Pentium-class 1 GHz processor (or equivalent); 512 MB RAM; 650 MB disk space plus 50 MB for each downloaded practice exam; access to the Internet to register and download exam databases Lab Simulator Minimum System Requirements: Windows: Microsoft Windows 10, Windows 8.1, Windows 7 with SP1; Intel Pentium III or faster; 512 MB RAM (1GB recommended); 1.5 GB hard disk space; 32-bit color depth at 1024x768 resolution Mac: Apple macOS 10.13, 10.12, 10.11, 10.10; Intel Core Duo 1.83 Ghz or faster; 512 MB RAM (1 GB recommended); 1.5 GB hard disk space; 32-bit color depth at 1024x768 resolution Other applications installed during installation: Adobe AIR 3.8; Captive JRE 6

Sensors Handbook Sabrie Soloman 2009-08-05 Complete, State-of-the-Art Coverage of Sensor Technologies and Applications Fully revised with the latest breakthroughs in integrated sensors and control systems, Sensors Handbook, Second Edition provides all of the information needed to select the optimum sensor for any type of application, including engineering, semiconductor manufacturing, medical, military, agricultural, geographical, and environmental implementations. This definitive volume discusses a wide array of sensors, including MEMS, nano, microfabricated, CMOS, smart, NIR, SpectRx(tm), remote-sensing, fiber-optic, light, ceramic, and silicon sensors. Several in-depth application examples from a variety of industries are included. The comprehensive details in this authoritative resource enable you to accurately verify the specifications for any required component. This is the most through, up-to-date reference on sensing technologies available.

Mobile Lightweight Wireless Systems Periklis Chatzimisios 2010-10-21 Following the success of the First MOBILIGHT 2009 in Athens, Greece, the Second International Conference on Mobile Lightweight Systems (MOBILIGHT) was held in Barcelona, Spain on May 10-12, 2010. It was not an easy decision to carry on organizing a scientific event on wireless communications, where competition is really enormous. This decision was motivated by discussion with many colleagues about the current unprecedented demand for lig- weight, wireless communication devices with high usability and performance able to support added-value services in a highly mobile environment. Such devices follow the users everywhere they go (at work, at home, while

travelling, in a classroom, etc.) and result in exciting research, development and business opportunities. Such scenarios clearly demand significant upgrades to the existing communication paradigm in terms of infrastructure, devices and services to support the "anytime, anywhere, any device" philosophy, providing novel and fast-evolving requirements and expectations on - search and development in the field of information and communication technologies. The core issue is to support wireless users' desire for 24/7 network availability and transparent access to "their own" services. In this context, we continue to envision an international forum where practitioners and researchers coming from the many areas involved in lightweight wireless systems' design and deployment would be able to interact and exchange experiences.

Introduction to Satellite Communication Bruce R. Elbert 2008 The book covers all the fundamentals of satellites, ground control systems, and earth stations, considering the design and operation of each major segment. You gain a practical understanding of the basic construction and usage of commercial satellite networksOCohow parts of a satellite system function, how various components interact, which role each component plays, and which factors are the most critical to success."

Information Management and Big Data Juan Antonio Lossio-Ventura 2019-02-07 This book constitutes the refereed proceedings of the 5th International Conference on Information Management and Big Data, SIMBig 2018, held in Lima, Peru, in September 2018. The 34 papers presented were carefully reviewed and selected from 101 submissions. The papers address issues such as data mining, artificial intelligence, Natural Language Processing, information retrieval, machine learning, web mining.

Zero Error Margin Des Barker 2003

Store Wars Greg Thain 2012-07-12 The sequel to the highly successful Store Wars: the battle for mindspace and shelfspace published in 1995. The new edition will retain all the strengths of the old book including a comprehensive and complex approach to the consumer & retail market and the interaction between FMCG retailers and manufacturers. The book will be thoroughly revised and updated and will consist of 4 main parts: A section on leading FMCG companies and brands (such as Coke, P&G, Unilever, Nestle, L'Oreal etc.), their marketing and branding strategies in the western markets (USA, Western Europe: UK, France, Germany and others). A section on leading retailers (Wal-Mart, Tesco, Carrefour etc.), their developments and expansion over the last 10 years. A section describing the interaction between retailers and manufacturers, including competition for end-consumers, trade marketing. A section covering the Emerging Markets—the retail landscape in the major developing economies, results of the expansion of major FMCG brands and western retail chains, challenges related to distribution and FMCG marketing in those countries. The book will also discuss the impact of the Global Crisis on the consumer and retail markets as well as predictions and prospects for the future.

Secrets of a Super Hacker Knightmare 1994 Provides step-by-step instructions for entering supposedly secure computer systems, along with a summary of the laws covering this generally illegal activity and an explanation of the role of hackers in maintaining computer security

Top-Down Network Design Priscilla Oppenheimer 2010-08-24 Objectives The purpose of Top-Down Network Design, Third Edition, is to help you design networks that meet a customer's business and technical goals. Whether your customer is another department within your own company or an external client, this book provides you with tested processes and tools to help you understand traffic flow, protocol behavior, and internetworking technologies. After completing this book, you will be equipped to design enterprise networks that meet a customer's requirements for functionality, capacity, performance, availability, scalability, affordability, security, and manageability. Audience This book is for you if you are an internetworking professional responsible for designing and maintaining medium- to large-sized enterprise networks. If you are a network engineer, architect, or technician who has a working knowledge of network protocols and technologies, this book will provide you with practical advice on

applying your knowledge to internetwork design. This book also includes useful information for consultants, systems engineers, and sales engineers who design corporate networks for clients. In the fast-paced presales environment of many systems engineers, it often is difficult to slow down and insist on a top-down, structured systems analysis approach. Wherever possible, this book includes shortcuts and assumptions that can be made to speed up the network design process. Finally, this book is useful for undergraduate and graduate students in computer science and information technology disciplines. Students who have taken one or two courses in networking theory will find Top-Down Network Design, Third Edition, an approachable introduction to the engineering and business issues related to developing real-world networks that solve typical business problems. Changes for the Third Edition Networks have changed in many ways since the second edition was published. Many legacy technologies have disappeared and are no longer covered in the book. In addition, modern networks have become multifaceted, providing support for numerous bandwidth-hungry applications and a variety of devices, ranging from smart phones to tablet PCs to high-end servers. Modern users expect the network to be available all the time, from any device, and to let them securely collaborate with coworkers, friends, and family. Networks today support voice, video, high-definition TV, desktop sharing, virtual meetings, online training, virtual reality, and applications that we can't even imagine that brilliant college students are busily creating in their dorm rooms. As applications rapidly change and put more demand on networks, the need to teach a systematic approach to network design is even more important than ever. With that need in mind, the third edition has been retooled to make it an ideal textbook for college students. The third edition features review questions and design scenarios at the end of each chapter to help students learn top-down network design. To address new demands on modern networks, the third edition of Top-Down Network Design also has updated material on the following topics: ¿ Network redundancy ¿ Modularity in network designs ¿ The Cisco SAFE security reference architecture ¿ The Rapid Spanning Tree Protocol (RSTP) ¿ Internet Protocol version 6 (IPv6) ¿ Ethernet scalability options, including 10-Gbps Ethernet and Metro Ethernet ¿ Network design and management tools

Confronting Consumption Thomas Princen 2002 Essays that offer ecological, social, and political perspectives on the problem of overconsumption.

Principles of Asynchronous Circuit Design Jens Sparsø 2013-04-17 Principles of Asynchronous Circuit Design - A Systems Perspective addresses the need for an introductory text on asynchronous circuit design. Part I is an 8-chapter tutorial which addresses the most important issues for the beginner, including how to think about asynchronous systems. Part II is a 4-chapter introduction to Balsa, a freely-available synthesis system for asynchronous circuits which will enable the reader to get hands-on experience of designing high-level asynchronous systems. Part III offers a number of examples of state-of-the-art asynchronous systems to illustrate what can be built using asynchronous techniques. The examples range from a complete commercial smart card chip to complex microprocessors. The objective in writing this book has been to enable industrial designers with a background in conventional (clocked) design to be able to understand asynchronous design sufficiently to assess what it has to offer and whether it might be advantageous in their next design task.